

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Quartz implants

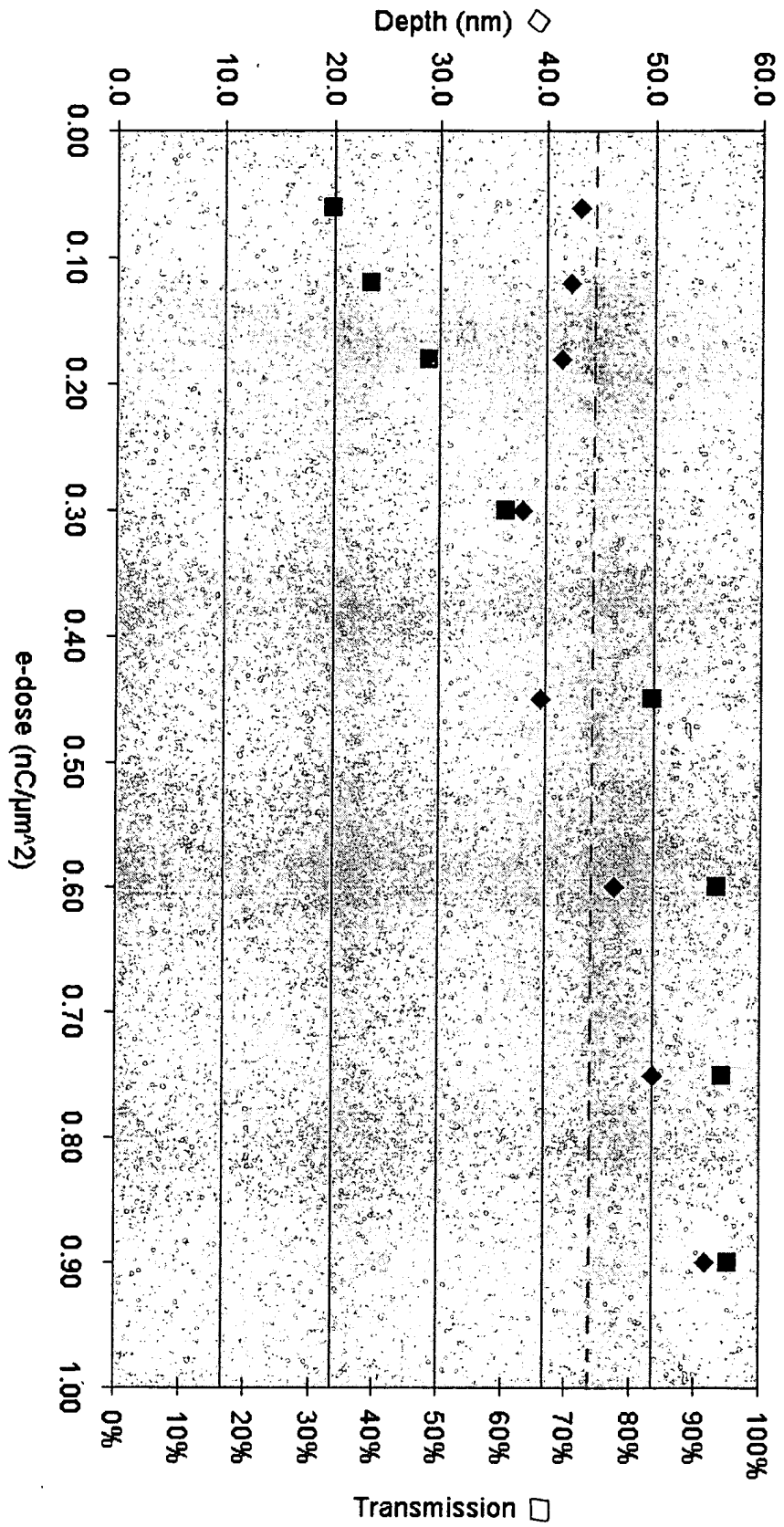


FIG. 1

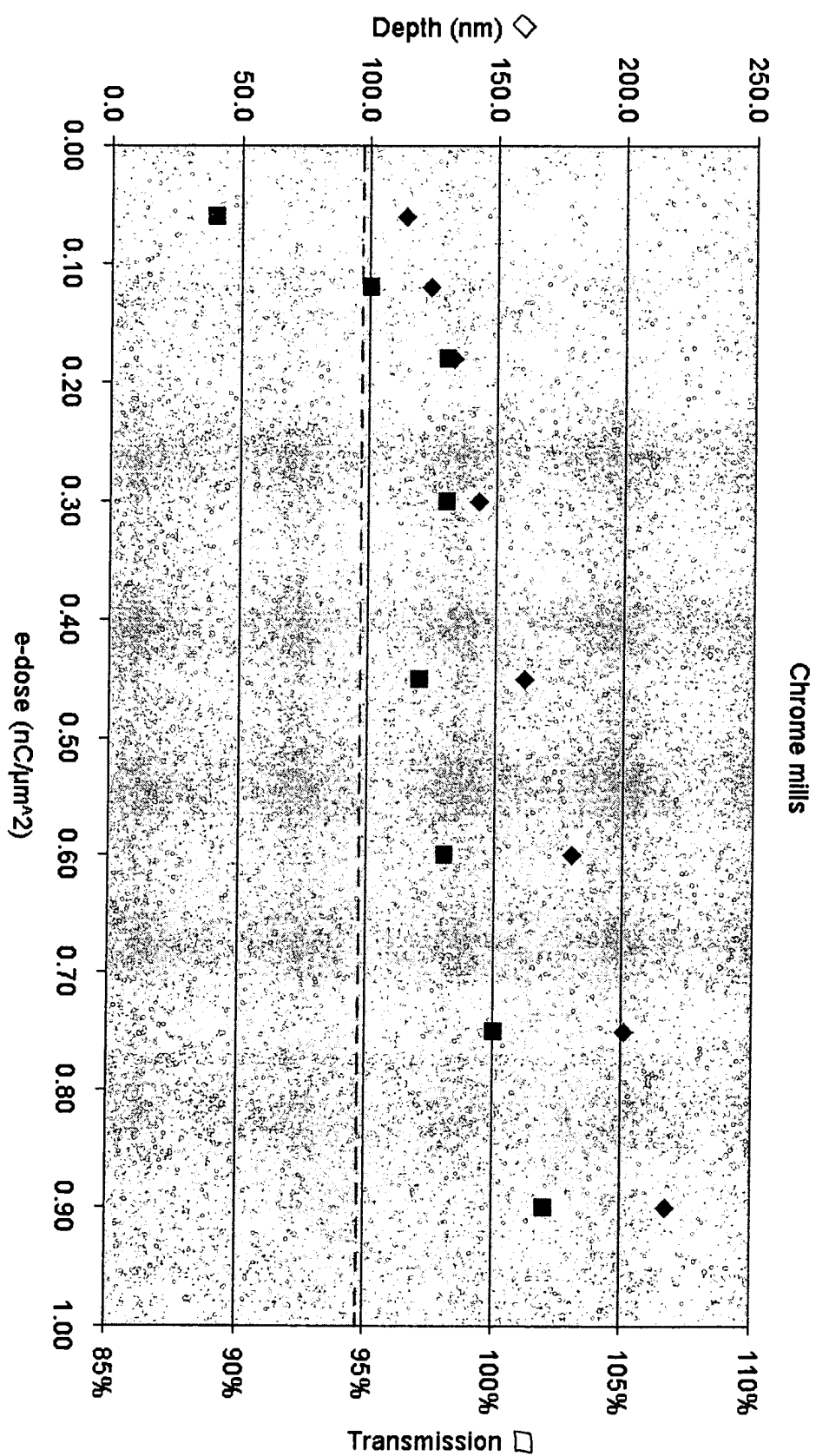


FIG. 2

^{193}nm Transmission of Ga implanted quartz for a variety of Ga^+ implant doses, as a function of e-cleanup dose

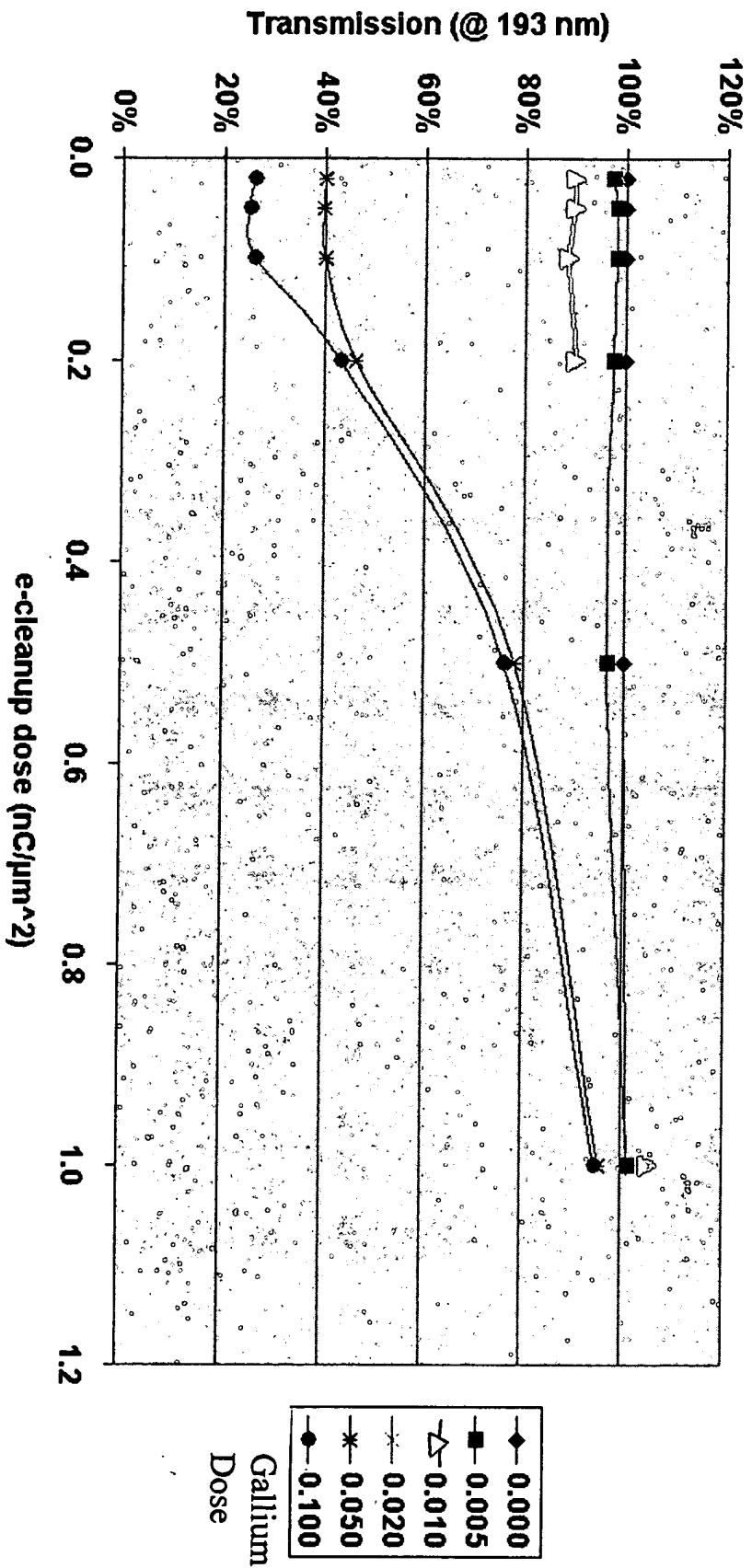


FIG. 3

157 Transmission of Ga implanted quartz for a variety of Ga⁺ implant doses, as a function of e-cleanup dose

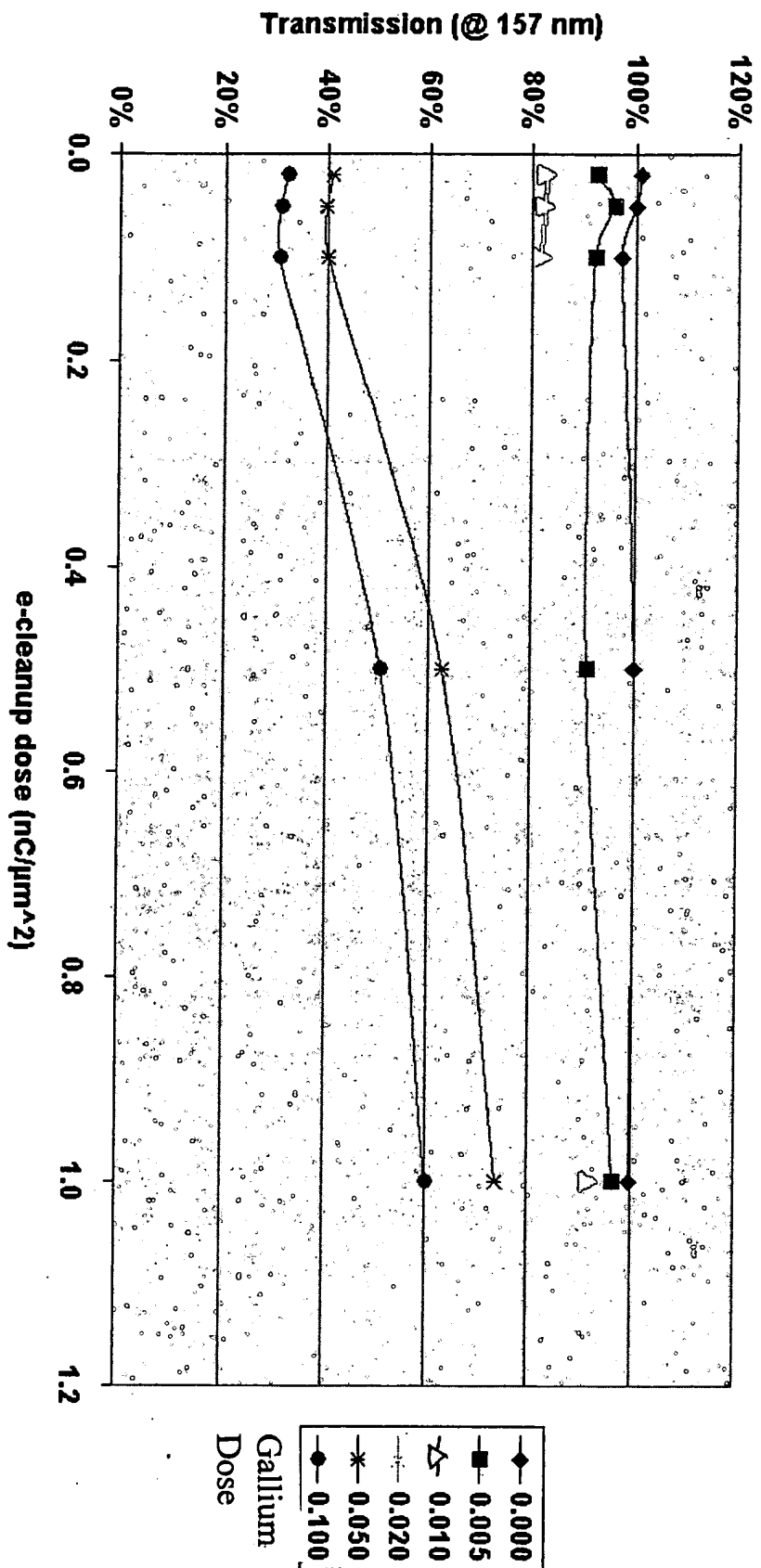


FIG. 4

SNP DIFF depth of Ga implanted quartz for a variety of Ga⁺ implant doses, as a function of e⁻ cleanup dose

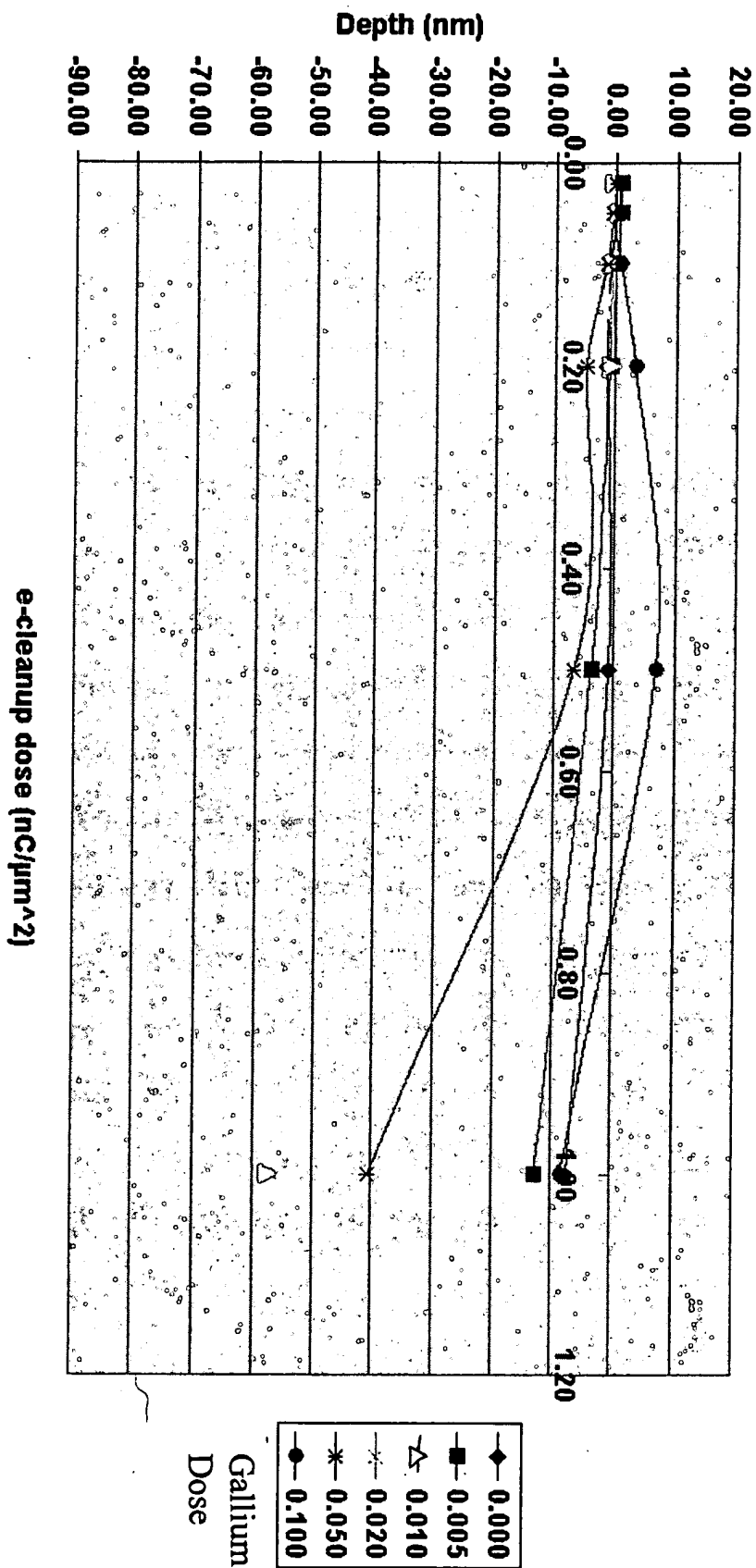


FIG. 5

193 Transmission of Ga implanted quartz after a variety of cleanup doses, as a function of Ga⁺ implant dose

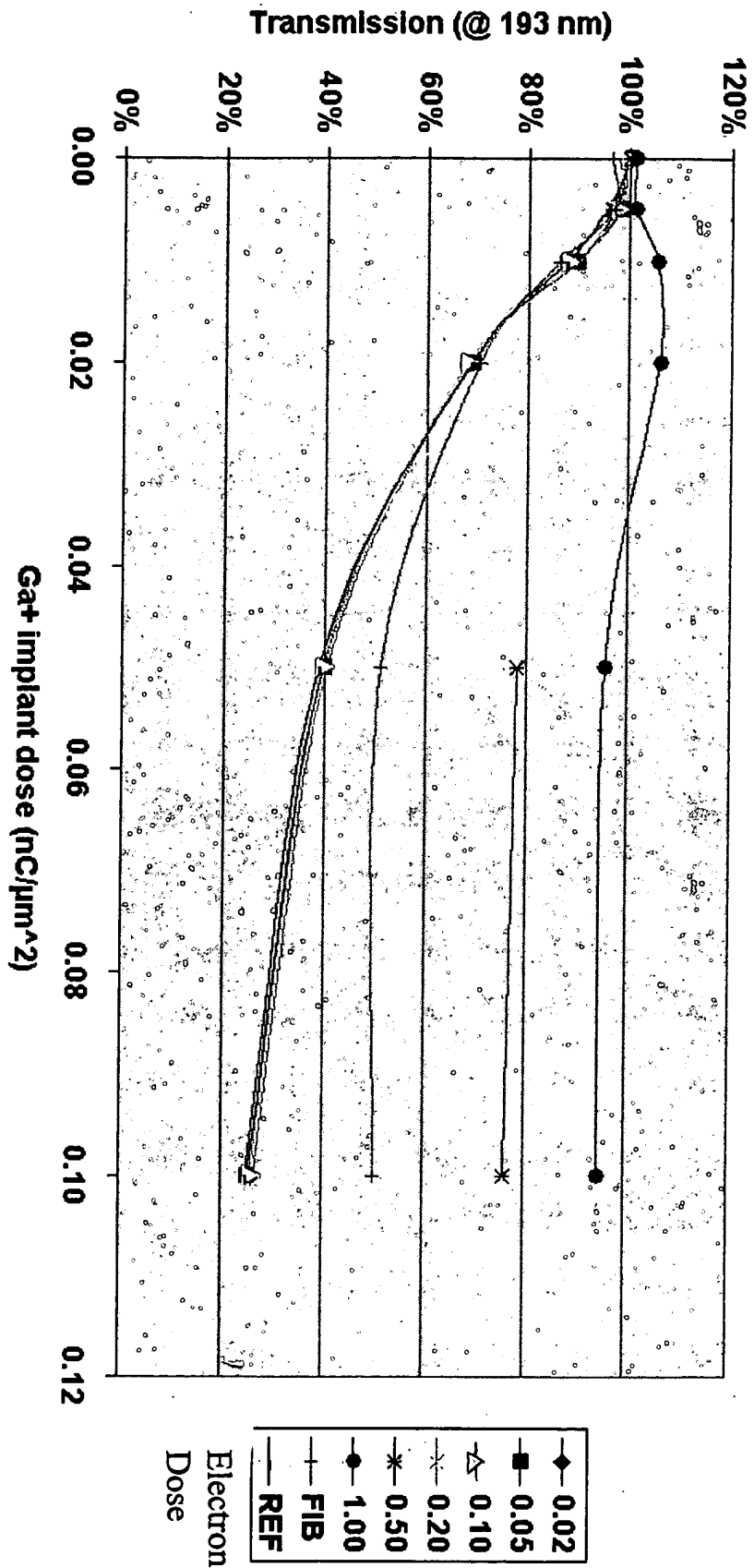


FIG. 6

157 Transmission of Ga implanted quartz after a variety of cleanup doses, as a function of Ga⁺ implant dose

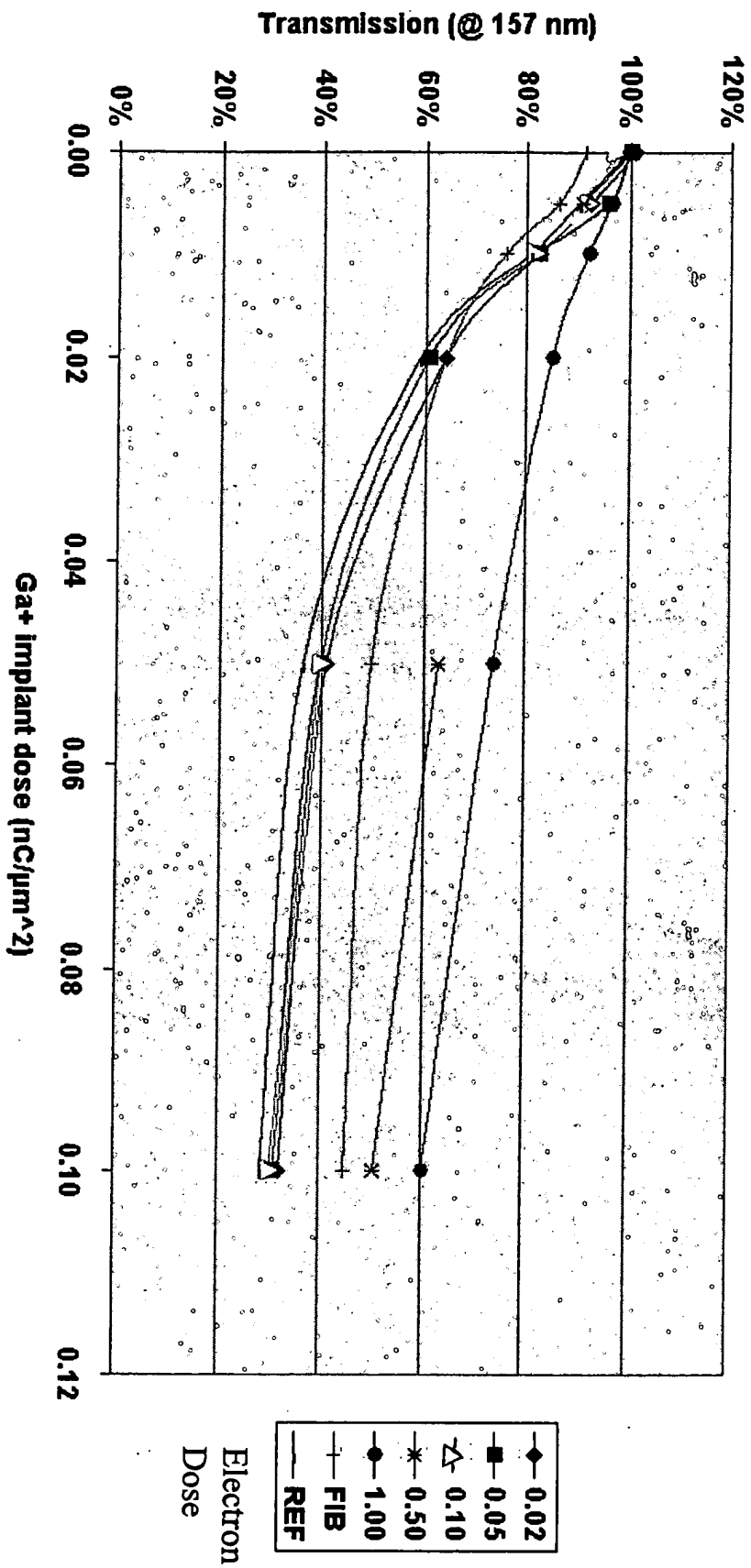


FIG. 7

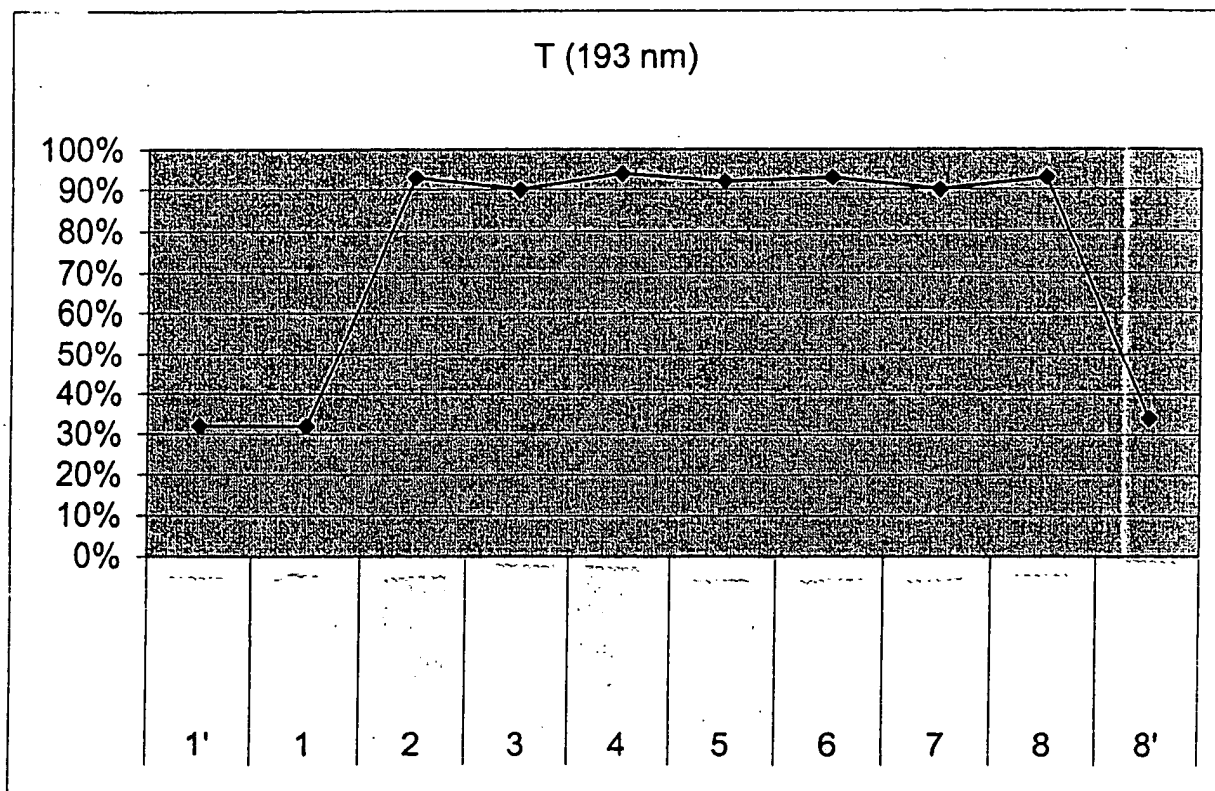


FIG. 8

FIG.
9A

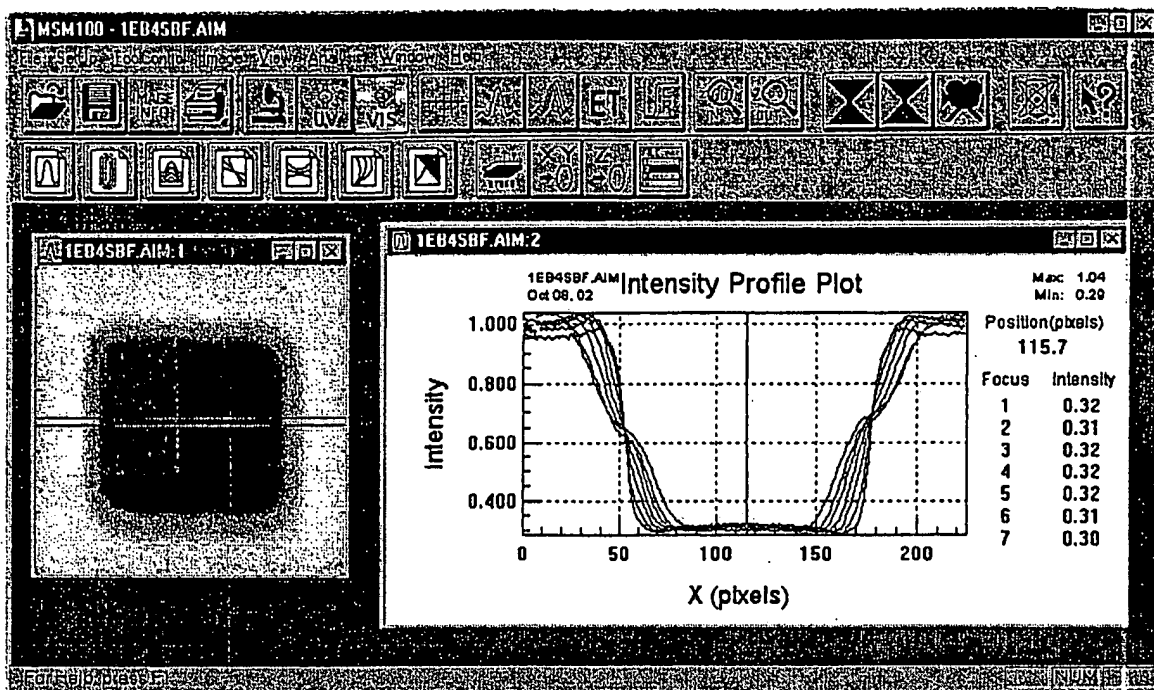


FIG.
9B

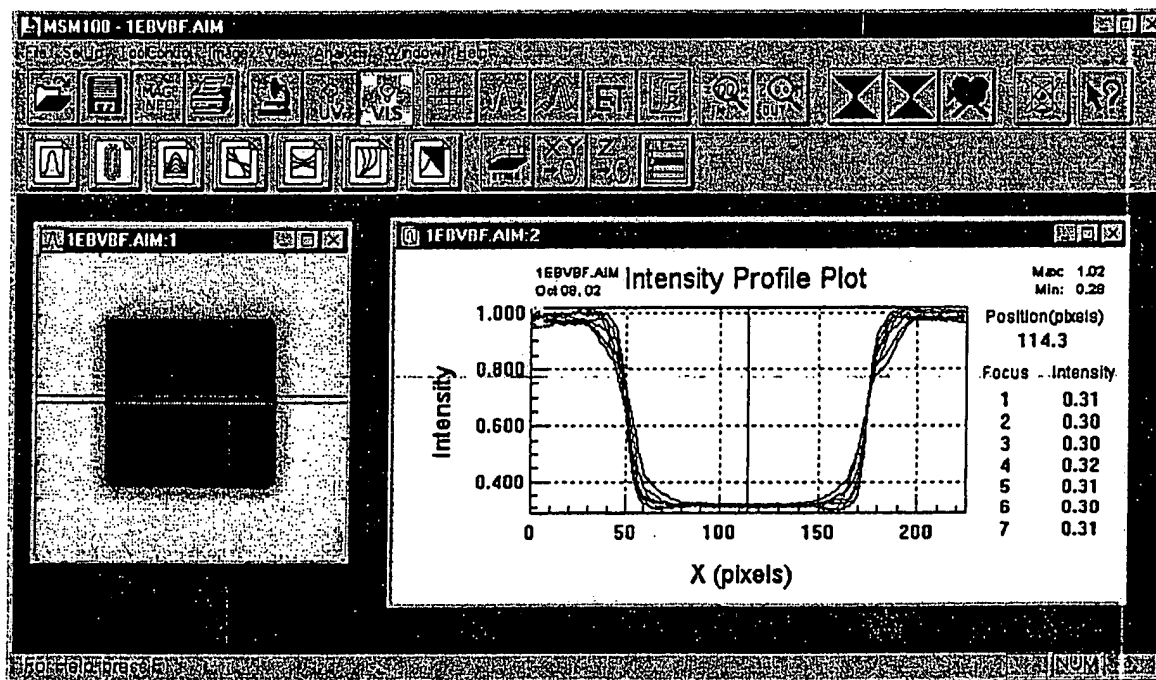


FIG.
9C

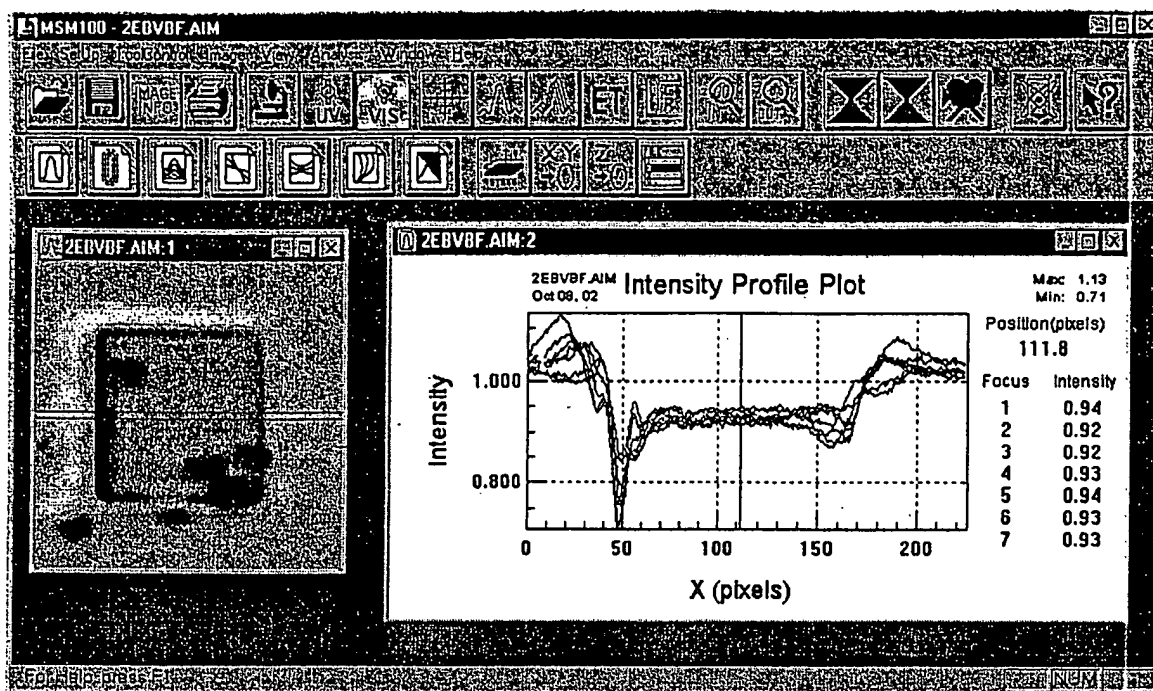


FIG.
9D

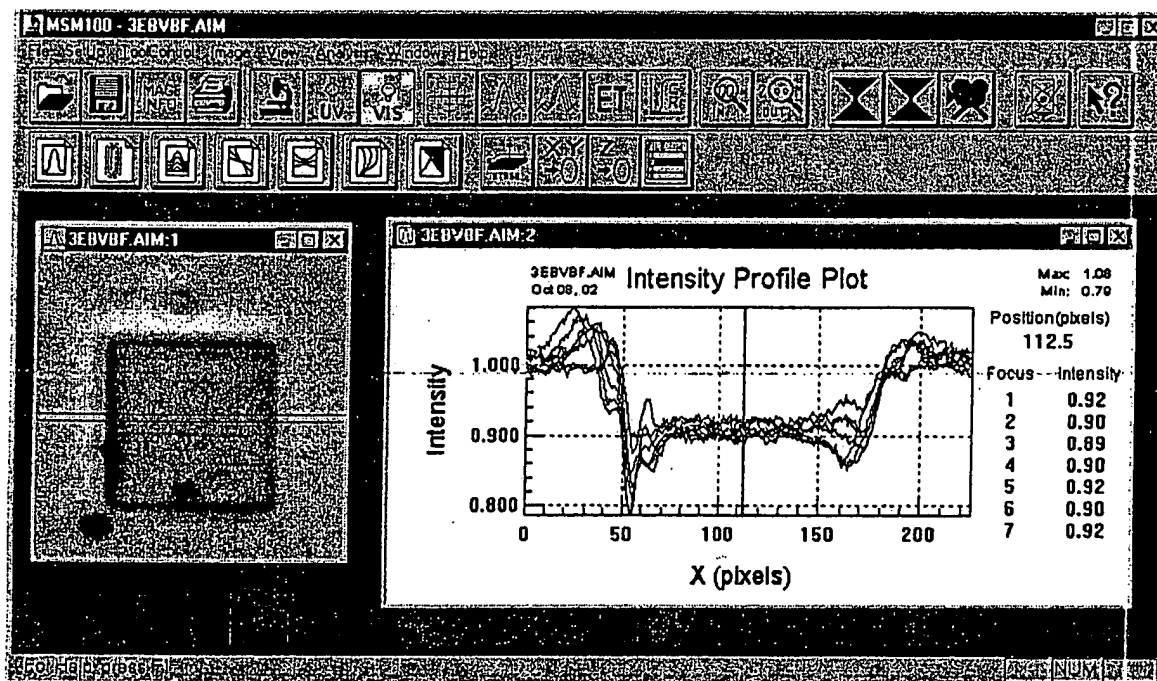


FIG.
9E

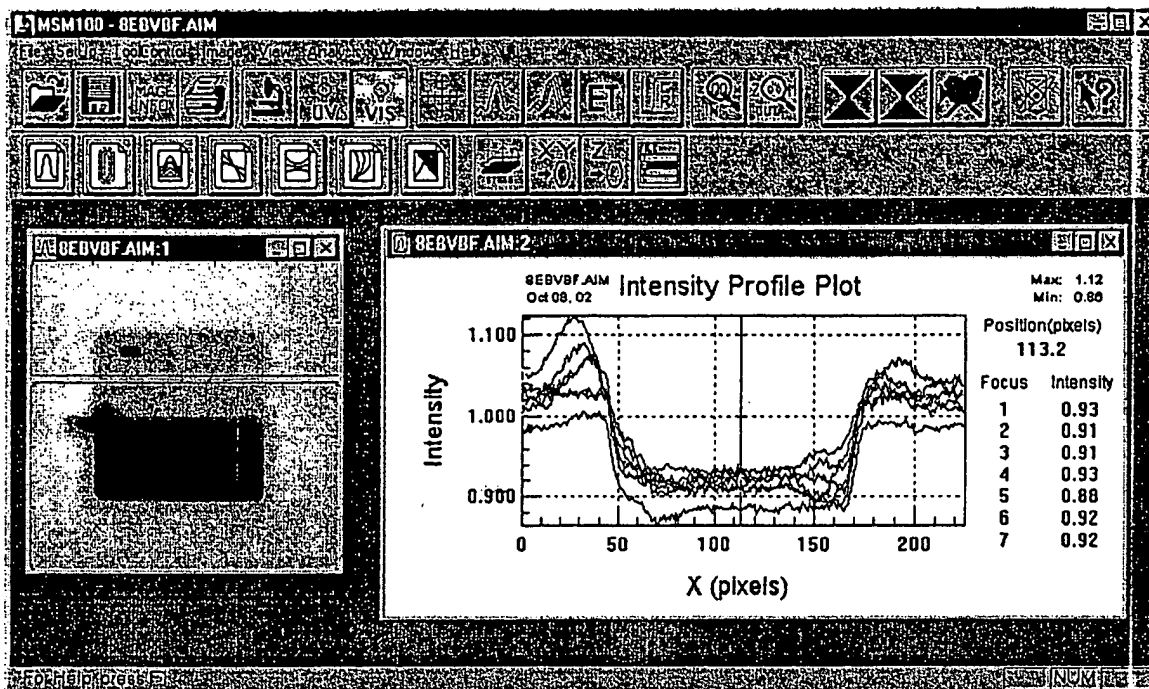
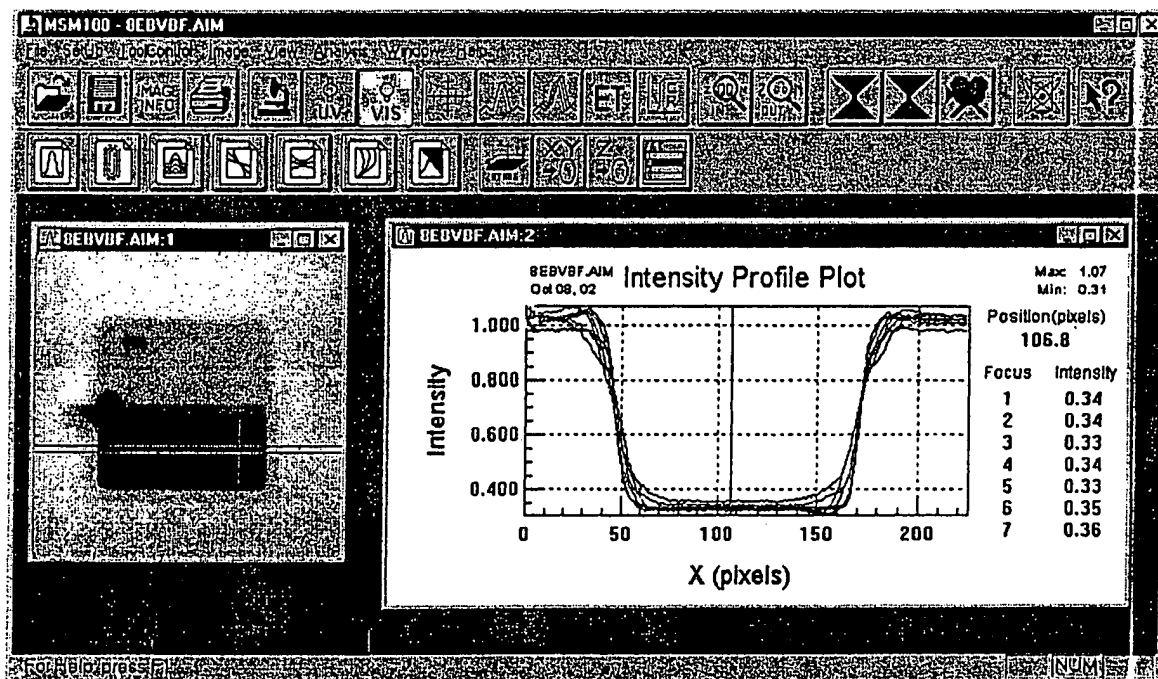


FIG.
9F



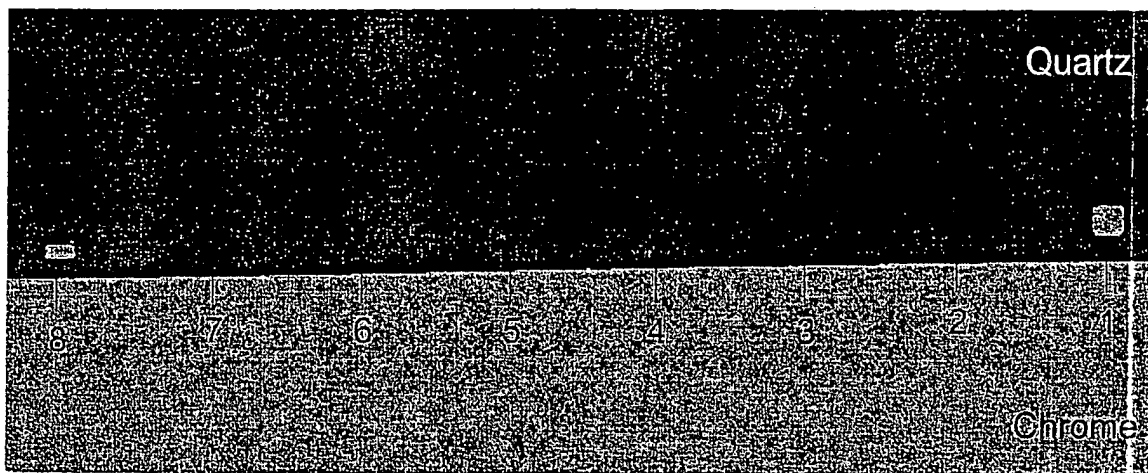


FIG. 10

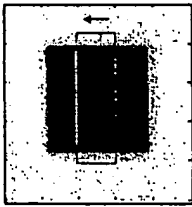
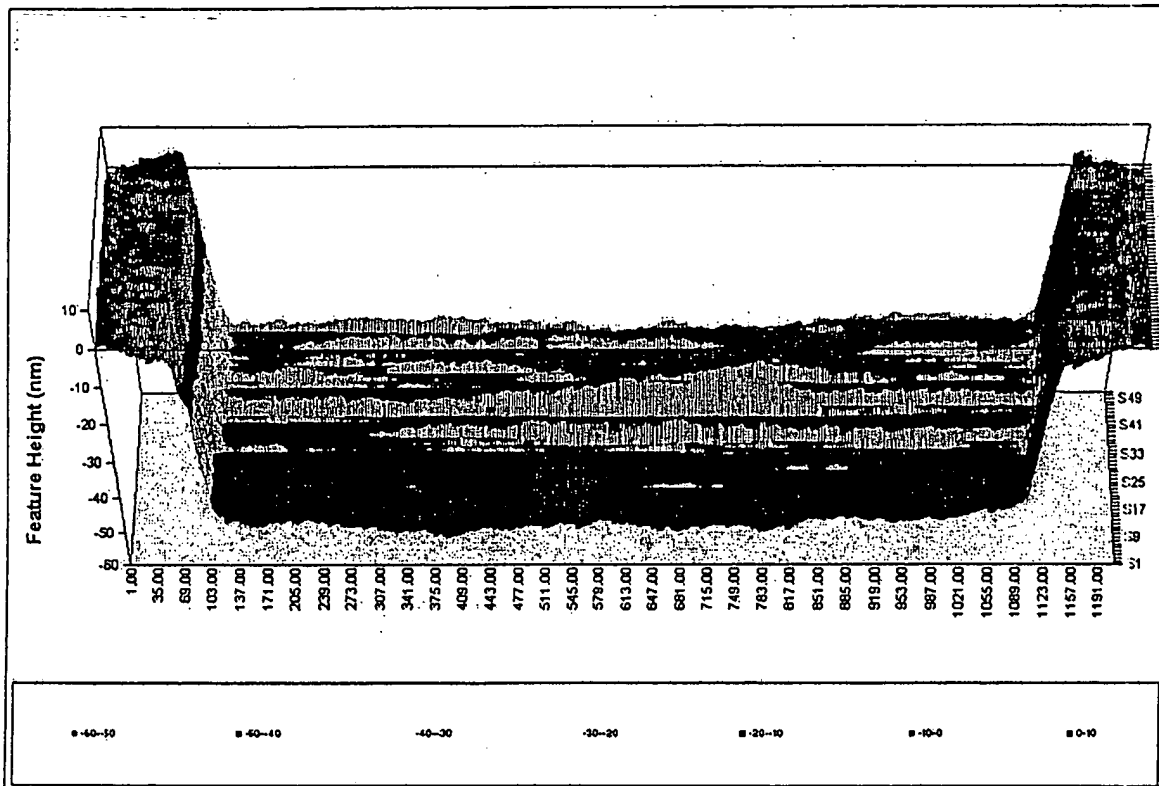


FIG. 11B



SNP plot

FIG. 11A

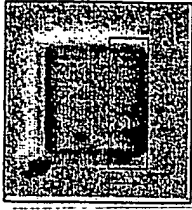
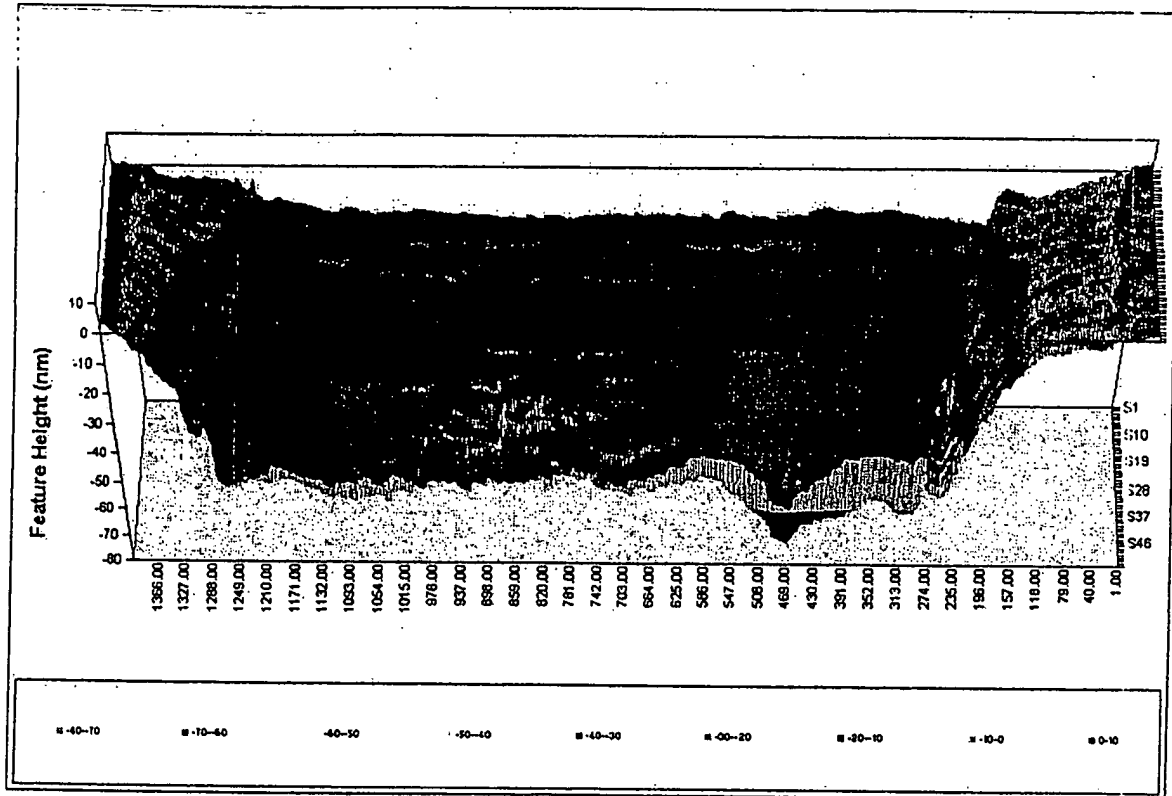


FIG. 11D



SNP plot

FIG. 11C

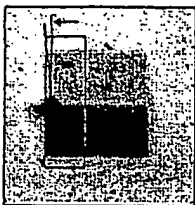
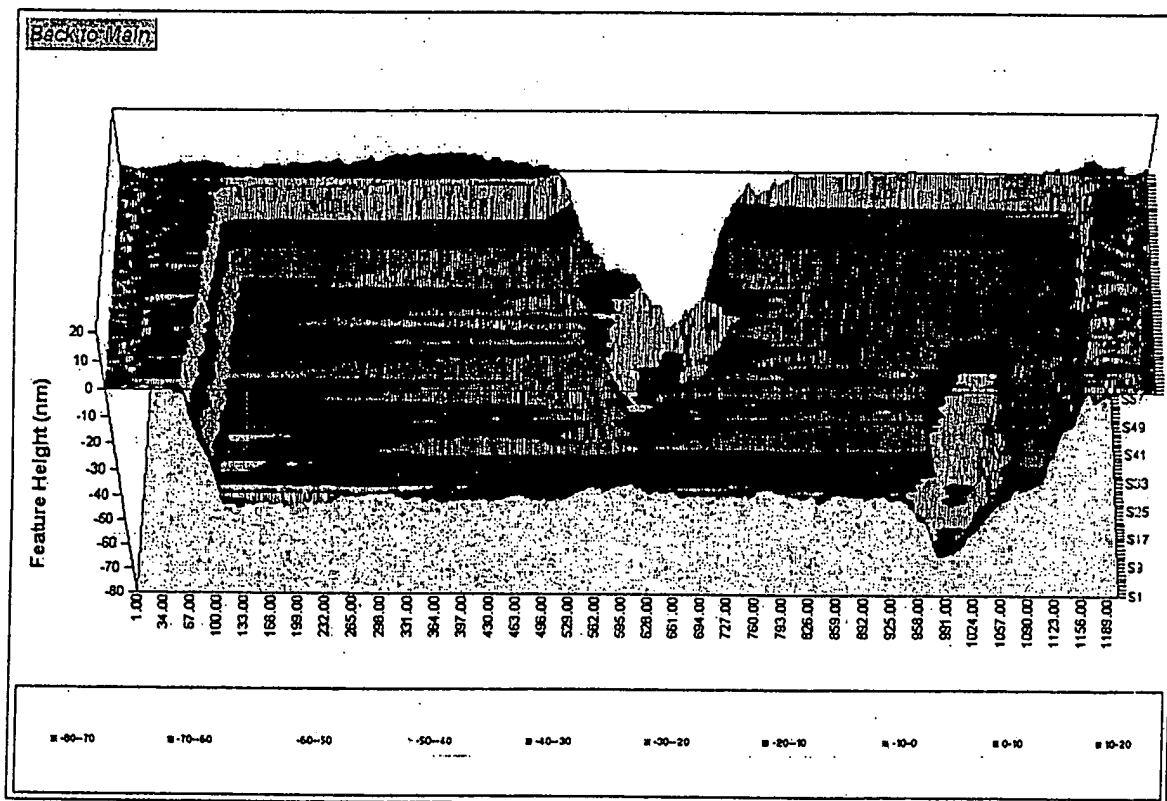


FIG. 11F



SNP plot

FIG. 11E

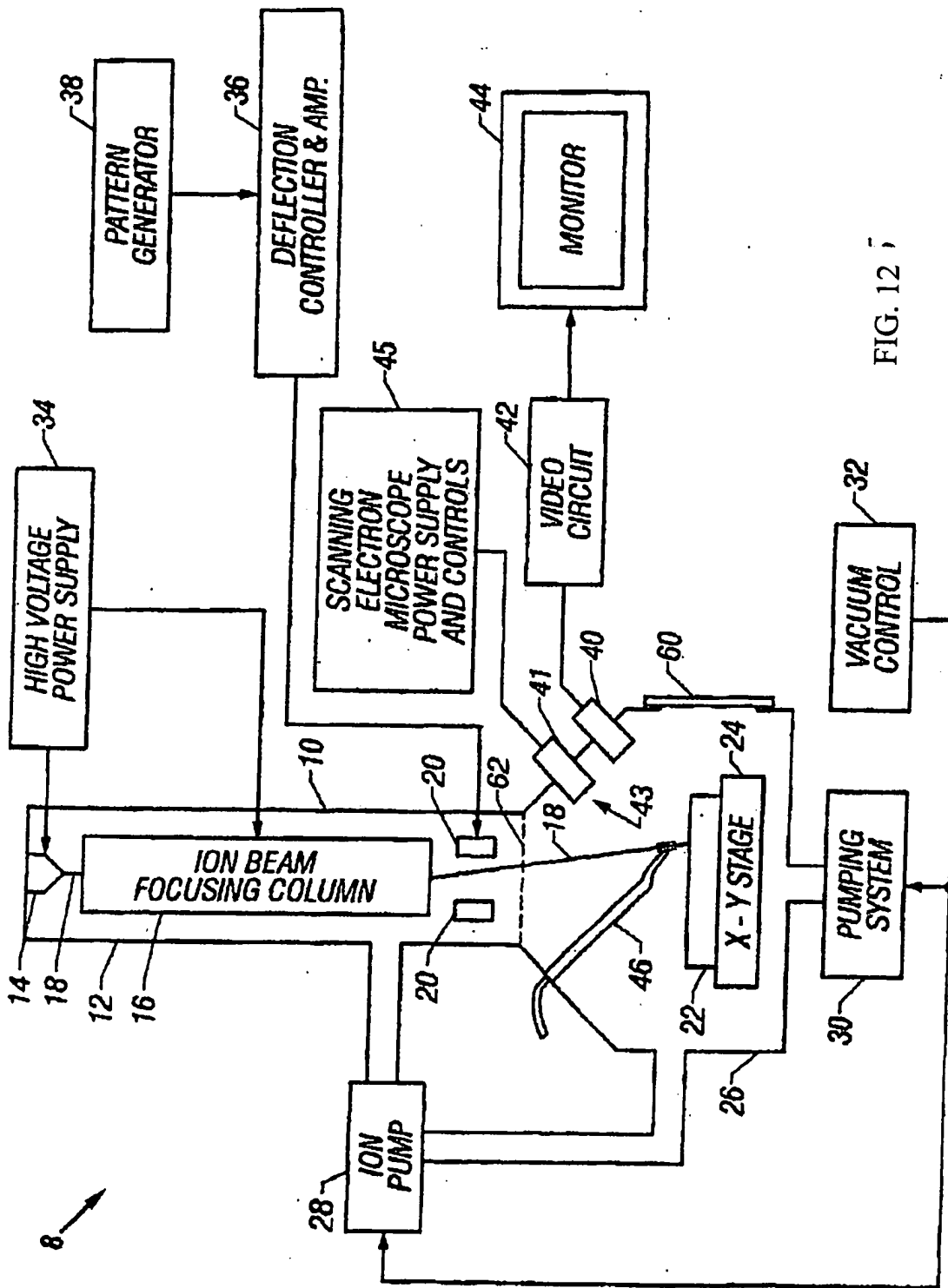


FIG. 12